Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Content Standards			
Hawaii Science			
Grade 6			
Activity/Lesson	**State**	**Standards**	
1901: The First Improvement	HI	SCI.6.SC.6.7.1	Describe examples of how forces affect an object's motion
New Data	HI	SCI.6.SC.6.1.1	Formulate a testable hypothesis that can be answered through a controlled experiment
1904: Improvement in Dayton	HI	SCI.6.SC.6.7.1	Describe examples of how forces affect an object's motion
Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Content Standards			
Hawaii Science			
Grade 7			
Activity/Lesson	**State**	**Standards**	
The Society	HI	SCI.7.SC.7.1.1	Design and safely conduct a scientific investigation to answer a question or test a hypothesis
Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Content Standards			
Hawaii Science			
Grade 8			
Activity/Lesson	**State**	**Standards**	
New Data	HI	SCI.8.SC.8.1.2	Communicate the significant components of the experimental design and results of a scientific investigation
1904: Improvement in Dayton	HI	SCI.8.SC.8.1.2	Communicate the significant components of the experimental design and results of a scientific investigation
Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Content Standards			
Hawaii Science			
Grades 9-12 (Physical Science)			
Activity/Lesson	**State**	**Standards**	
1901: The First Improvement	HI	SCI.9-12.SC.PS.7.1	Apply the laws of motion to determine the effects of forces on the linear motion of objects
1901: The First Improvement	HI	SCI.9-12.SC.PS.7.2	Use vectors to explain force and motion
New Data	HI	SCI.9-12.SC.PS.1.2	Design and safely implement an experiment, including the appropriate use of tools and techniques to organize, analyze, and validate data

1904: Improvement in Dayton	HI	SCI.9-12.SC.PS.1.5	Communicate the components of a scientific investigation, using appropriate techniques
1904: Improvement in Dayton	HI	SCI.9-12.SC.PS.7.1	Apply the laws of motion to determine the effects of forces on the linear motion of objects
1904: Improvement in Dayton	HI	SCI.9-12.SC.PS.7.2	Use vectors to explain force and motion
1904: Improvement in Dayton	HI	SCI.9-12.SC.PS.7.4	Explain the magnetic and electric forces in the universe
Learning to Fly: The Wright Brother's Adventure			
2005 Science			
Content Standards			
Hawaii Science			
Grades 9-12 (Physics)			
Activity/Lesson	**State**	**Standards**	
The Society	HI	SCI.9-12.SC.PH.1.5	Communicate the components of a scientific investigation, using appropriate techniques
1900: Kitty Hawks	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively
1901: The First Improvement	HI	SCI.9-12.SC.PH.1.5	Communicate the components of a scientific investigation, using appropriate techniques
1901: The First Improvement	HI	SCI.9-12.SC.PH.4.3	Solve two-dimensional problems involving balanced forces (i.e., statics)
1901: The First Improvement	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively
1901: The First Improvement	HI	SCI.9-12.SC.PH.4.7	Resolve two dimensional vectors into their components, and use the resultant vectors to solve problems involving force and motion, both graphically and quantitatively
New Data	HI	SCI.9-12.SC.PH.1.2	Design and safely implement an experiment, including the appropriate use of tools and techniques to organize, analyze, and validate data
New Data	HI	SCI.9-12.SC.PH.1.5	Communicate the components of a scientific investigation, using appropriate techniques
New Data	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively
1902: Success at Last	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively
1903: Powered Flight	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively

1903: Powered Flight	HI	SCI.9-12.SC.PH.4.7	Resolve two dimensional vectors into their components, and use the resultant vectors to solve problems involving force and motion, both graphically and quantitatively
1904: Improvement in Dayton	HI	SCI.9-12.SC.PH.4.4	Analyze motion in terms of position, time, velocity and acceleration, both quantitatively and qualitatively
1904: Improvement in Dayton	HI	SCI.9-12.SC.PH.4.7	Resolve two dimensional vectors into their components, and use the resultant vectors to solve problems involving force and motion, both graphically and quantitatively